

WHAT IS CLAIMED IS:

1 1. A method for determining a recorded presentation information
2 document, the method comprising:
3 receiving information identifying an input image;
4 comparing the input image with a plurality of image file documents to
5 determine an image file document in the plurality of image file documents that includes
6 information that that is considered to match the input image; and
7 determining a recorded presentation information document that is associated
8 with the image file document that was determined.

1 2. The method of claim 1, wherein the plurality of image file documents
2 include a plurality of symbolic presentation documents and the image file document that was
3 determined comprises a symbolic presentation document in the plurality of symbolic
4 presentation documents.

1 3. The method of claim 2, wherein the information that is considered to
2 match the input image comprises an image of a slide in the source document.

1 4. The method of claim 1, wherein the image file document that was
2 determined comprises a plurality of recorded images documents, wherein the image file
3 document comprises a recorded images document in the plurality of recorded images
4 documents.

1 5. The method of claim 4, wherein the recorded images document
2 comprises an image that includes information that matches the input image.

1 6. The method of claim 5, wherein the image comprises a screen capture
2 of an image of a slide.

1 7. The method of claim 1, wherein comparing the input image with the
2 plurality of image file documents comprises:
3 determining text in the input image,
4 determining text in the plurality of image file documents; and

5 comparing the text in the input image to text in the plurality of image file
6 documents to determine the image file document that includes information that matches the
7 input image.

3 determining temporal information associated with the input image; and
4 using the temporal information to determine the portion.

3 comparing information in the input image with information in the image file
4 document to determine the portion of the image file document that includes information that
5 matches the information in the input image.

1 11. The method of claim 8, further comprising determining a portion of the
2 recorded presentation information document that includes information that matches the input
3 image.

3 determining temporal information associated with the input image; and
4 using the temporal information to determine the portion of the recorded
5 presentation information document that includes information that matches the input image.

3 determining temporal information associated with the portion of the image file
4 document; and

5 using the temporal information to determine the portion of the recorded
6 presentation that includes information that matches the input image.

3 comparing information in at least one of the input image and the portion of the
4 image file document with information in the recorded images document to determine the
5 portion of the image file document that includes information that matches the information in
6 the input image.

1 16. The method of claim 15, wherein the action comprises at least one of
2 outputting, displaying, playing, and sending the portion of the recorded presentation.

3 sending the recorded presentation information document that was determined
4 to a device;

5 receiving input information from the device for the recorded presentation
6 information document; and

7 using the input information to determine the portion in the recorded
8 presentation information document that includes information that matches the input image.

3 determining association information that associates the image file document
4 with the recorded presentation information document.

1 23. A method for determining a recorded images document, the method
2 comprising:

3 determining a captured image, the captured image including an image of a
4 display;

5 determining contents of the image of the display; and

6 using the contents of the display to search a plurality of recorded images
7 documents to identify one or more recorded images documents that include the contents.

1 24. The method of claim 23, further comprising determining a portion in
2 each of the one or more recorded images documents that includes information that matches
3 the contents of the display.

1 25. The method of claim 24, further comprising:

2 determining temporal information associated with the captured image; and
3 using the temporal information to determine the portion in each of the one or
4 more recorded images documents.

1 26. The method of claim 24, further comprising retrieving information
2 associated with the portion in each of the one or more recorded images documents.

1 27. The method of claim 26, further comprising performing at least one of
2 displaying, sending, outputting, and playing the retrieved information.

1 28. The method of claim 23, wherein the contents of the display comprise
2 an image of a slide of a symbolic presentation document.

1 29. The method of claim 28, wherein the one or more recorded images
2 documents include information that matches the image of the slide of the source document.

1 30. The method of claim 28, further comprising retrieving an image of the
2 slide of the symbolic presentation document.

1 31. The method of claim 30, further comprising performing at least one of
2 displaying, sending, and outputting the retrieved image of the slide.

1 32. The method of claim 23, wherein determining contents of the display
2 comprises determining text in the captured image,

3 wherein using the contents of the display to search the plurality of recorded
4 images documents comprises:

5 determining text in the plurality of recorded images documents; and
6 comparing the text in the captured image to text in the plurality of recorded
7 images documents to identify the one or more recorded images documents.

1 33. The method of claim 23, further comprising using a disambiguation
2 process to identify the one or more recorded images documents.

1 34. The method of claim 33, wherein using the disambiguation process
2 comprises:

3 selecting a plurality of relevant recorded images documents from a plurality of
4 recorded images documents;

5 sending the selected plurality of relevant recorded images documents to a
6 device;

7 receiving input information from the device for the plurality of relevant
8 recorded images documents; and

9 using the input information to determine the one or more recorded images
10 documents from the plurality of relevant recorded images documents.

1 35. The method of claim 23, wherein the captured image is captured using
2 a digital camera.

1 36. The method of claim 23, wherein using the contents of the display to
2 search the plurality of recorded images documents comprises performing a search on a
3 WorldWide Web.

1 37. The method of claim 23, wherein using the contents of the display to
2 search the plurality of recorded images documents comprises performing a search on a
3 plurality of television programs.

1 38. A data processing system for determining a recorded presentation
2 information document, the data processing system comprising:

3 a processor;

4 a memory coupled to the processor, the memory configured to store a plurality
5 of code modules for execution by the processor, the plurality of code modules comprising:

6 a code module for receiving information identifying an input image;
7 a code module for comparing the input image with a plurality of image
8 file documents to determine an image file document in the plurality of image file documents
9 that includes information that that is considered to match the input image;
10 a code module for determining a recorded presentation information
11 document that is associated with the image file document that was determined.

1 39. The data processing system of claim 38, wherein the plurality of image
2 file documents include a plurality of symbolic presentation documents and the image file
3 document that was determined comprises a symbolic presentation document in the plurality
4 of symbolic presentation documents.

1 40. The data processing system of claim 39, wherein the information that
2 is considered to match the input image comprises an image of a slide in the source document.

1 41. The data processing system of claim 38, wherein the image file
2 document that was determined comprises a plurality of recorded images documents, wherein
3 the image file document comprises a recorded images document in the plurality of recorded
4 images documents.

1 42. The data processing system of claim 41, wherein the recorded images
2 document comprises an image that includes information that matches the input image.

1 43. The data processing system of claim 42, wherein the image comprises
2 a screen capture of an image of a slide.

1 44. The data processing system of claim 38, wherein the code module for
2 comparing the input image with the plurality of image file documents comprises:
3 a code module for determining text in the input image,
4 a code module for determining text in the plurality of image file documents;
5 and
6 a code module for comparing the text in the input image to text in the plurality
7 of image file documents to determine the image file document that includes information that
8 matches the input image.

1 45. The data processing system of claim 38, further comprising a code
2 module for determining a portion of the image file document that includes information that
3 matches the input image.

1 46. The data processing system of claim 45, wherein the code module for
2 determining the portion of the image file document comprises:

3 a code module for determining temporal information associated with the input
4 image; and

5 a code module for using the temporal information to determine the portion.

1 47. The data processing system of claim 45, wherein the code module for
2 determining the portion of the image file document comprises:

3 a code module for comparing information in the input image with information
4 in the image file document to determine the portion of the image file document that includes
5 information that matches the information in the input image.

1 48. The data processing system of claim 45, further comprising a code
2 module for determining a portion of the recorded presentation information document that
3 includes information that matches the input image.

1 49. The data processing system of claim 48, wherein the code module for
2 determining the portion of the recorded presentation information document comprises:

3 a code module for determining temporal information associated with the input
4 image; and

5 a code module for using the temporal information to determine the portion of
6 the recorded presentation information document that includes information that matches the
7 input image.

1 50. The data processing system of claim 48, wherein the code module for
2 determining the recorded presentation information document comprises:

3 a code module for determining temporal information associated with the
4 portion of the image file document; and

5 a code module for using the temporal information to determine the portion of
6 the recorded presentation that includes information that matches the input image.

1 51. The data processing system of claim 48, wherein the code module for
2 determining the portion of the recorded presentation information document comprises:

3 a code module for comparing information in at least one of the input image
4 and the portion of the image file document with information in the recorded images document
5 to determine the portion of the image file document that includes information that matches
6 the information in the input image.

1 52. The data processing system of claim 45, further comprising a code
2 module for performing an action with the portion of the recorded presentation.

1 53. The data processing system of claim 52, wherein the action comprises
2 at least one of outputting, displaying, playing, and sending the portion of the recorded
3 presentation.

1 54. The data processing system of claim 45, further comprising a code
2 module for using a disambiguation process to determine the portion of the recorded
3 presentation information document.

1 55. The data processing system of claim 54, wherein the code module for
2 using the disambiguation process comprises:

3 a code module for sending the recorded presentation information document
4 that was determined to a device;

5 a code module for receiving input information from the device for the
6 recorded presentation information document; and

7 a code module for using the input information to determine the portion in the
8 recorded presentation information document that includes information that matches the input
9 image.

1 56. The data processing system of claim 38, wherein the code module for
2 determining the recorded presentation information document comprises:

3 a code module for determining association information that associates the
4 image file document with the recorded presentation information document.

1 57. The data processing system of claim 56, further comprising a code
2 module for using information to determine a portion of the recorded information that includes
3 information that matches the input image.

1 58. The data processing system of claim 58, wherein the information
2 comprises temporal information.

1 59. The data processing system of claim 38, wherein the captured image is
2 captured using a digital camera.

1 60. A data processing system for determining a recorded images
2 document, the data processing system comprising:
3 a processor;
4 a memory coupled to the processor, the memory configured to store a plurality
5 of code modules for execution by the processor, the plurality of code modules comprising:
6 a code module for determining a captured image, the captured image
7 including an image of a display;
8 a code module for determining contents of the image of the display;
9 a code module for using the contents of the display to search a plurality
10 of recorded images documents to identify one or more recorded images documents that
11 include the contents.

1 61. The data processing system of claim 60, further comprising a code
2 module for determining a portion in each of the one or more recorded images documents that
3 includes information that matches the contents of the display.

1 62. The data processing system of claim 61, further comprising:
2 a code module for determining temporal information associated with the
3 captured image; and
4 a code module for using the temporal information to determine the portion in
5 each of the one or more recorded images documents.

1 63. The data processing system of claim 61, further comprising a code
2 module retrieving information associated with the portion in each of the one or more recorded
3 images documents.

1 64. The data processing system of claim 63, further comprising a code
2 module for performing at least one of displaying, sending, outputting, and playing the
3 retrieved information.

1 65. The data processing system of claim 60, wherein the contents of the
2 display comprise an image of a slide of a symbolic presentation document.

1 66. The data processing system of claim 65, wherein the one or more
2 recorded images documents include information that matches the image of the slide of the
3 source document.

1 67. The data processing system of claim 65, further comprising a code
2 module for retrieving an image of the slide of the symbolic presentation document.

1 68. The data processing system of claim 67, further comprising a code
2 module for performing at least one of displaying, sending, and outputting the retrieved image
3 of the slide.

1 69. The data processing system of claim 60, wherein the code module for
2 determining contents of the display comprises determining text in the captured image,
3 wherein the code module for using the contents of the display to search the
4 plurality of recorded images documents comprises:

5 a code module for determining text in the plurality of recorded images
6 documents; and

7 a code module for comparing the text in the captured image to text in the
8 plurality of recorded images documents to identify the one or more recorded images
9 documents.

1 70. The data processing system of claim 60, further comprising a code
2 module for using a disambiguation process to identify the one or more recorded images
3 documents.

1 71. The data processing system of claim 70, wherein the code module for
2 using the disambiguation process comprises:

3 a code module for selecting a plurality of relevant recorded images documents
4 from a plurality of recorded images documents;

5 a code module for sending the selected plurality of relevant recorded images
6 documents to a device;

7 a code module for receiving input information from the device for the plurality
8 of relevant recorded images documents; and
9 a code module for using the input information to determine the one or more
10 recorded images documents from the plurality of relevant recorded images documents.

1 72. The data processing system of claim 60, wherein the captured image is
2 captured using a digital camera.

1 73. The data processing system of claim 60, wherein the code module for
2 using the contents of the display to search the plurality of recorded images documents
3 comprises a code module for performing a search on a WorldWide Web.

1 74. The data processing system of claim 60, wherein the code module for
2 using the contents of the display to search the plurality of recorded images documents
3 comprises a code module for performing a search on a plurality of television programs.

1 75. A computer program product stored on a computer-readable medium
2 for determining a recorded presentation information document, the computer program
3 product comprising:

4 code for receiving information identifying an input image;

5 code for comparing the input image with a plurality of image file documents
6 to determine an image file document in the plurality of image file documents that includes
7 information that is considered to match the input image;

8 code for determining a recorded presentation information document that is
9 associated with the image file document that was determined.

1 76. The computer program product of claim 75, wherein the plurality of
2 image file documents include a plurality of symbolic presentation documents and the image
3 file document that was determined comprises a symbolic presentation document in the
4 plurality of symbolic presentation documents.

1 77. The computer program product of claim 76, wherein the information
2 that is considered to match the input image comprises an image of a slide in the source
3 document.

1 78. The computer program product of claim 75, wherein the code for
2 comparing the input image with the plurality of image file documents comprises:
3 code for determining text in the input image,
4 code for determining text in the plurality of image file documents; and
5 code for comparing the text in the input image to text in the plurality of image
6 file documents to determine the image file document that includes information that matches
7 the input image.

1 79. The computer program product of claim 75, further comprising code
2 for determining a portion of the image file document that includes information that matches
3 the input image.

1 80. The computer program product of claim 79, wherein the code for
2 determining the portion of the image file document comprises:
3 code for determining temporal information associated with the input image;
4 and
5 code for using the temporal information to determine the portion.

1 81. The computer program product of claim 79, wherein the code for
2 determining the portion of the image file document comprises:
3 code for comparing information in the input image with information in the
4 image file document to determine the portion of the image file document that includes
5 information that matches the information in the input image.

1 82. The computer program product of claim 79, further comprising code
2 for determining a portion of the recorded presentation information document that includes
3 information that matches the input image.

1 83. The computer program product of claim 82, wherein the code for
2 determining the portion of the recorded presentation information document comprises:
3 code for determining temporal information associated with the input image;
4 and
5 code for using the temporal information to determine the portion of the
6 recorded presentation information document that includes information that matches the input
7 image.

1 84. The computer program product of claim 82, wherein the code for
2 determining the recorded presentation information document comprises:
3 code for determining temporal information associated with the portion of the
4 image file document; and
5 code for using the temporal information to determine the portion of the
6 recorded presentation that includes information that matches the input image.

1 85. The computer program product of claim 82, wherein the code for
2 determining the portion of the recorded presentation information document comprises:
3 code for comparing information in at least one of the input image and the
4 portion of the image file document with information in the recorded images document to
5 determine the portion of the image file document that includes information that matches the
6 information in the input image.

1 86. The computer program product of claim 79, further comprising code
2 for performing an action with the portion of the recorded presentation.

1 87. The computer program product of claim 79, further comprising code
2 for using a disambiguation process to determine the portion of the recorded presentation
3 information document.

1 88. The computer program product of claim 87, wherein the code for using
2 the disambiguation process comprises:
3 code for sending the recorded presentation information document that was
4 determined to a device;
5 code for receiving input information from the device for the recorded
6 presentation information document; and
7 code for using the input information to determine the portion in the recorded
8 presentation information document that includes information that matches the input image.

1 89. The computer program product of claim 75, wherein the code for
2 determining the recorded presentation information document comprises:
3 code for determining association information that associates the image file
4 document with the recorded presentation information document.

1 90. The computer program product of claim 75, wherein the captured
2 image is captured using a digital camera.

1 91. A computer program product stored on a computer-readable medium
2 for determining a recorded images document, the computer readable medium comprising:
3 code for determining a captured image, the captured image including an image
4 of a display;
5 code for determining contents of the image of the display; and
6 code for using the contents of the display to search a plurality of recorded
7 images documents to identify one or more recorded images documents that include the
8 contents.

1 92. The computer program product of claim 91, further comprising code
2 for determining a portion in each of the one or more recorded images documents that includes
3 information that matches the contents of the display.

1 93. The computer program product of claim 92, further comprising:
2 code for determining temporal information associated with the captured
3 image; and
4 code for using the temporal information to determine the portion in each of the
5 one or more recorded images documents.

1 94. The computer program product of claim 92, further comprising code
2 for retrieving information associated with the portion in each of the one or more recorded
3 images documents.

1 95. The computer program product of claim 94, further comprising code
2 for performing at least one of displaying, sending, outputting, and playing the retrieved
3 information.

1 96. The computer program product of claim 91, wherein the code for
2 determining contents of the display comprises determining text in the captured image,
3 wherein the code for using the contents of the display to search the plurality of
4 recorded images documents comprises:
5 code for determining text in the plurality of recorded images documents; and

6 code for comparing the text in the captured image to text in the plurality of
7 recorded images documents to identify the one or more recorded images documents.

1 98. The computer program product of claim 97, wherein the code for using
2 the disambiguation process comprises:

3 code for selecting a plurality of relevant recorded images documents from a
4 plurality of recorded images documents;

5 code for sending the selected plurality of relevant recorded images documents
6 to a device;

7 code for receiving input information from the device for the plurality of
8 relevant recorded images documents; and

9 code for using the input information to determine the one or more recorded
10 images documents from the plurality of relevant recorded images documents.

1 100. The computer program product of claim 91, wherein the code for using
2 the contents of the display to search the plurality of recorded images documents comprises
3 code for performing a search on a WorldWide Web.